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## ON GUARD FOR AMERICA'S AIR DEFENSE

The F-102 is a rapier in the hand of the U.S. Airman. Built for the U.S. Air Force, Convair's F-102 interceptor is delta-winged and jet-powered, designed for the men who are on guard for America's air defense. Advanced aircraft like the F-102 are the result of . . .

Engineering to the Nth power



### How the Holley Turbine Control helps jet pilots concentrate on FIGHTING, not flying

Britis's highly-trained research, engineering

Blokey's reserve department played an super-





When it comes in account abuse, making heats presumation Presumption This "storage" feeture has another advantage -- it lets you heald up

Paramedic protons observe act fast, are power shaprists. Viscosity of the throughout a board temperature reage . . . -65° to +250°. from fire. And, much the six supply is observe evoluble, leakens in



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# Aviation Week

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Rabes W. Meso, Sr . . . . Publisher

Albert W. Buste. New Editor Street J. Boften - Special Amperication Incar Store Technical Street State West Court Assessed Kelbrare Island Courses Contra C Coales Ness Dek Fide Tare Avenue C 1 McClear, Walkinston News Dark Clerk O Ware Motor Lerona I Serb At Edda Fresh Stee, by Esternat Venous Carrier Editorial Molecus

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Col. Diffe, Wilson D. Lenn, Y. Atheta, T. Door World See Personn, C. F. Nichronita and Contro Your, Lee Austin, W. S. Niccor, Philadelphia; C. A. Revelek,



ANOTHER HILESTONE IN AVIATION

December 17th on Coverages Island, New eater who contributed to much to the development historic Island. The management was arrested by

helicacter-mother system "first." The moreovers was control under the suspices of The Early Rude, an averagencies of those who flew solo believ December 17, 1906 . . . 35 years. The proveller on the monument was cost in house, deposit from one of the World Bruthers' wooden accordiers, two of which accorded the Sau U. S. Amer pilitery plane, a 1999 Wright This fungue glone is shown in phonton illesco-The movement writes more than 15 tens, and specially exercised for this present. It forms the largest structure on Covernors Island, Building 100 and will commend the other time of thousands

effects win to paying toleste to the manners of these distinguished Conveyer Island singers. to the elementest of America evision, And Phillips it also honored to per tribate to The Early Birds, who have to signally commencested the recomplishments of their fixing onlesques.

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DEPARTURE

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PLUS ENGINEERING SERVICE

New Departure engagement are ready to help with your

#### NEWS DIGEST

Democratic First Sidd tests of Bren Assessed. fighter are expected to stort such this orne The Bolls Hours Aven money

U.S. Court of Appenls last week or \$15,000 to each estate of two secretar Lifed in 1947 when in Eastern Air The plant and the separt fewer of 55. The court also ordered a new

Wright M5 turbearts completed 700 hous of air time in 29 days during fight tests of an North American FFO: at Name Air States, Patracet

that Sherrors M. Freehold so longer can serve as director of both Par-Engine & Airplane Corp. Previous CAR approval of the notological relatombin emerd let October New PAA is a potential customer for the

First commercial helipset in New be well on the way to becoming a m **Einopriol** 

North Assesses Arieton, Inc., Los the percedue there mostle but more

boldes of stored Mac 2 Country deleng expendence will total \$1,775 million during focal 1955-Super Subsect to USAF: Sales and other second totaled \$177,493,127, company Ballah jes fighter now going twio squad

Lake Central Aidmen Roll a nat

peaks of \$5,565 for 7954, its first 12-

Operating peaks for hist year totaled

Wingtip Jets Provide Power Safety Margin Additional 2,000 th total threat provided by small Fundade (14 technical autolite) on waggins of Friendald C-1278 good the place classb one of 500 from other treeben. ever our new down takent, remained with 150-loss, which using only picture sages Modeled C-1256 is partiard perforcing with left prop instance disang are part of a Friethird reports present, project. Form also has pergrammed been to solubited survey. To not door place not so you. Hits have down that and oil solution

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> uen Nagpur en Central India All 10 sensor shord very what West Comments Lubbours in percent by four more Super Constellations for

Philippine Air Lines has peachased those single-engine Ottes from de Havilland Assourt of Canada, piece to the strong still safety from occupy, are the please as Il place passinger stanction when its four Adea cargon munsports

of 1953. Earling Jan. 1: \$1,198,611... \$36, algority below \$1,174 million Oct. EXAMPLE WILL Printer 14, 1955



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The Aviation Week February 14, 1955

Headline News the Sen Fuede Any Entire Patient South Tests Became First Changes Acres Becomes Get Toom Bardy, EAL Colonel Street Taken March

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Management Contam And in Mindley . SS

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Assembly for America PC2 Cests., 115

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ANALYSIS WITH Daleson 14 1996



## **New Aircraft** Undergo Tests



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Aveilability -- Box Cra, a principal producer of tricone, is confirme Discount have blake, sheet, strap, wire, tableng, feegings and billion to the ancraft recentry. And our modurism furtibles are creat montey. And our posterior territors are opposity befor expended to several times prosent

data available to help you make the rout of this To keep obsesse of the latest developments on

REM-CRU TITANIUM REN-CRU TITANIUM, INC., HIDLAND, PENNSYLVANIA

#### WHO'S WHERE

In the Front Office Box Fire, Somer recodest of Trees the meson solution to an emperatural queery light III Hilldens, continued of Control there may far Thomport Sond abroom E. T. Fridder, review charmes of the New British Markout CO's carculate company, will nated Kothic at pur-After D Leve, readed wir evolution

Witter J. Codey is new descript of the Suphalder Eultral and Aircreft Descrip-G W. Hell has been assessed assistant manager devotes of Fairty Aventon Co. London, roll by in choras of executive and Management organization in Passes William Dreet has been elected vice non-feet manufactories of Presents 19th per Copy, Merton, Fo Edwel C, Williams, Sonny confloring

regard Col Aratio Ogmantich

Honors and Flortions post Asm. will be becaused Feb. 17 by the

## INDUSTRY OBSERVER

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executed events forwar in \$100 men, but the Bulturates has been excepted at rates at low as \$50 rgm. Maximum efficiency of the low-speed group of P.Correct XB St Hostle is increasarile about 1,900-1,200 so, ft of stainless stord, all-motal numbered structure (benerotesh over beaut) to skee) ► Figit strench program of the National Advisors Committee for Arra-

cings solved during the societal investigation that followed loses of two company's actival firms. Complete colonidate of the totaless with harrier size, added to other modifications, receives the green weight by 1.150 ft. Actualed colorina many 550 ft. for a net increase of 400 ft. Area development by Railo-Rever has increased corner takeoff orbitz to

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7.190 B. and reduced feel convergeion.

# AVIATION WEEK PERCASY 14, 1955

## Eisenhower Sets Pacific Air Route Pattern

- · President settles status
- of DAA and Northwest · Pan American's Great Circle hid is deferred Ciril Appendix Board is reported in-

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Findings reveal according to the parties of the self be considered in designing all new supersonic aircraft.

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New Missile Taes ten for eabled purely and new dengnature for mostly approachess. • Curied Assert Body CAR 9 Opentus mile will be known or bedood, steapope, or no defense exercic populate or wars. The true Taket.

The rarser fix is the time bonumed custom of ascessing the use of the USAF transcrings vertex stability. The area has been Chaif amount Research Size on do with the photograp of the woo. It properted mysters of supermon that of the securit is a suppostent. The Rice court of the investigation

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They were fiving at 25,000 ft. over Polyadale when they spetted the F 900 craft is a recondern factor and would to As they watched Write mode a not solve the problem F 100, the addition of 12 or extremost The Super Salar neural their altitude P.No. Tombles The create and degrees. our condition, a hesistantal sain, was should to sto dive. It suddenly come unco-collected and markets was now with m on explosion. They and that of on time did the Seney Solve eve the weetping of a vicinit mesoner,

ordinated, or all speed stages within sign engineers flew to the sense to co-

the P-100 combilety without trouble codinate on revestigation with USAS

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crosh, studies reducted. These an payordent. The stobsherr was as the

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New Bell XV-3 Convertiplane Will Top 175 Mph.

Speed of cours than 175 mg/s is producted for Bell Assessit Core to If it. The encours were the XVI is a medicarriary except new NVA time consentation when its riverbinded police are half for \$1.5. Army mades a year \$550F Army development comteact provided on 1951, at readquile was designated the XH55.

### Navaid Decision: Get Tacan Ready But VOR/DME backers are not riving up; see properties

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hamilton was the VOR/DME at a counter cyclephane cyclep Process Action-Cours of action cetlined for the program suchedes "Matery recently maked the de-. Project decrease of Target to make Superior of a testing payoptions poit usuale for both cool and relation evolutions the 1652 of war gas only acknowledged that a realise commerce and defense were housing committed on their respective protessa." a to some that DMS feromence would not stand in the way of Tuest P Period Pacts-"There must've drive Percent melitary security to month Trees froither to pert their minimum \* Back-Up Pina-ANDS pleas to de-Defrace and commune themse with Control Sadd has mixed ANDR, Nemed a Verter commutate to sole hands unknown, have been new procede and pasters information on bulered by soften front or any in hundr

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Alaska Airstrips · Compacted snow runway widens USAF mobility.

· Good is to keep sireruft operating if Reds strack. Br Claude West

Elsewheel AFR Abeka-Europe Emerace Art. Aman and citable of handhar see time of opini fallow operations in improve of pockets warfers not not medicaled

What we have to defend in the textsect will be to keen USAF erounded not to hill soldiers in the U.S. Arms. It is fee the cross that both Gro Alkingon and May Cap Compr. N. roand up the defence effect to this

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SENT MADE BY SMEACT of C-67 lambor on more revers is manual by U. S. Armer



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USAF molecupes said the west re-

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Air Force Obligations Reach Two-Year Peak betalane were than \$1.6 belless. Then m encurrer landour field. It can half exceeded USAP's abbustons of \$1.2 belien for the previous five months of

Cleder amorbinous in December esrended Nov's abbasions for county weight a shoot the same is that of the B-47 at bouler B 47 mags is cound . During the first air months of final



First View of 11,000-Lb.-Thrust Bristol Olympus Cleaner those search front eithr shows on MIC. The 1954er transfert progress inbread shield at new Bertid Clympus 106 should 9 be remany at bisred power, 1723 becaused belook that he have been been by at order conditions \$3 be abrunded tested at \$1,000 it, these based (Avistice between second office and taken and a Work Feb. 7, p. 10; Settch also claim a short overspeed run. After secretaid trade, continues come some of \$600 D. Pourt. Ministry of Sandy has arented the \$10 for the 181, Military designation is BCE, at 11,000 D. thend without admiresons.

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\* Companied funds on Jan. 1 totaled

AF Sets Up 3-Airline Cargo Lift to Formosa

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Twining Says Russian Air Quality Improved

Range's see from his not grown Ges Twenne told the Nepous Council of the Reserve Officers Assoa subject message on the neither bad

to more modern sets," while adding att

most bridge that gap with better places SPEKTORN WEEK, February 14, 1955

# New higher power GCA QUADRADAR unveiled by Gilfillan

Two Models Now Meet Complete Range of Air Traffic Problems

winters to the successful demonstrations. of the 50 kw, GCA Gasdroder during November and December 1954 in Los. new higher namer 200 lew Onnfraden

Now the 200 km. Guadradar provides Both the 50 kw. and the 200 kw. Quad-



and short 20,000 ft. Buth (ot right) melede proven



204 km Quadredor provides



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# Why Small Firms Lose AF Orders

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PORINCOM WIRE TWISTERS . - . Twitters Side cutting

Unpenditional Quesuaters



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## FLIES ON WINGS BY TEMCO!

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ENGINEES. If was not returned in a cooler with a province





USAF's ment would become new The report also shows there is no

Japan Expects Boost In Il S. Air Business

Espansion in orders is expected to

ARIATION WIRE Primary 14, 1721

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... Symbol of Service to the Aircraft Industry



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Lee Angeles 25, California



# Recon Flight at Ground Level!

bailds simulators for more different militery elephane



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ENGINEERING and RESEARCH

### AVIATION CALENDAR

- Feb 23/25-International Ast Transport

- Mar. 2124-Inchese of Kato Engacox, rational conference, Wildoof Action Phys. Netperi Physical Laborator, Tuddine ser 57-Bate Technol Consume for
- Nat. 1415-Associate Onlineary Ages, Nature

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### HOW BONDOLITE EXTENDS THE REACH OF THE TIGER'S CLAWS!

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Director Associate Associate Evolver Kinnij Copposite, Japanese PEER, Shan II Olio Tadex, Boadelite is being both in large sizes and to difficult double-contact shopes, stillning a wide running of ones materials and "skeet," Latert officers to manery recet to farme lasts areat conit-lites.

## GOOD YEAR AIRCRAFT THE TEAM TO TEAM WITH IN ASSOCIAUTICS \$

### AERONAUTICAL ENGINEERING

How the Court Mystery Was Solved-Part II

# Giant 'Jigsaw Puzzle' Gives Final Clue

Dr Dorld A Andorrea Nonil Atmit Establishment, Feet-An exact peer of structure was the There show later the first informe fast-Haviland Court C-ALYP per unusual abo by the colour ful. \* Nethonos-The BAE encircuare of the feeding, the two structure social tunically though the Euristic

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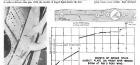
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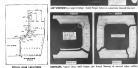
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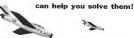
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SPIRTON WHILE February 14, 1651



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AKIATION WEEK, Polyany 14, 1955



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ANADON WEIL February 14, 1955



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### LETTERS

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AVAITON WEEK, February 14, 1995

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# G-E aircraft motors meet C-W's toughest specs

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# B-66 is first tactical bomber with radar controlled

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Martin Gets 85 Million To Develop XP6M-1

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## Radar Beacons To Speed Traffic Flow

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ANATION WEEK, February 14, 1955



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